

EXPRESS MAIL RECEIPT NO. ER441434736US  
DEPOSITED ON JANUARY 23, 2004

*PATENT*  
DKT. NO. STL11284

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Mail Stop Patent Application  
Commissioner for Patents  
P.O. Box 1450  
Alexandria VA 22313-1450

NEW APPLICATION TRANSMITTAL

Transmitted herewith for filing is the patent application of

Inventor(s): **Ching Tong Sim, Rory S. Limqueco, Jee Suan Kwok and YewChoon Chia**

For (title): **AUTOMATIC OPTICAL INSPECTION OF COMPONENTS USING A SHADOW  
PROJECTION THRESHOLD FOR A DATA STORAGE DEVICE**

**1. Type of Application**

This application is for an original (nonprovisional).

**2. Papers Enclosed**

**A. Required for filing date under 37 C.F.R. § 1.53(b) (Regular) or 37 C.F.R. § 1.153 (Design) Application**

15 Pages of Specification  
8 Pages of Claims  
4 Sheets of Drawings--Formal

**B. Other Papers Enclosed**

3 Pages of Declaration--executed by inventors  
4 Pages of Power of Attorney, including copy of assignment  
1 Page of Cover Sheet  
1 Page of Abstract  
4 Pages of Application Data Sheet

**3. Additional Papers Enclosed**

Information Disclosure Statement (37 C.F.R. § 1.98), including PTO/SB/08A and 08B (substitute for Form PTO-1449).  
An acknowledgment postcard

**4. Declaration or Oath**

Enclosed and executed by inventors.

**5. Inventorship Statement**

The inventorship for all the claims in this application is the same.

**6. Language**

English

**7. Assignment**

An assignment of the invention to SEAGATE TECHNOLOGY LLC is attached. A separate FORM PTO-1595 is also attached.

**8. Fee Calculation (37 C.F.R. § 1.16)**

Regular Application

CLAIMS AS FILED										
Number Filed			Number Extra			Rate		Basic Fee 37 C.F.R. § 1.16(a) 770.00		
Total										
Claims (37 C.F.R. § 1.16(c))		24	—	20	=	4	x \$	18.00	= \$	72.00
Independent										
Claims (37 C.F.R. § 1.16(b))		3	—	3	=	0	x \$	86.00	= \$	0.00
Multiple Dependent Claim(s), if any (37 C.F.R. § 1.16(d))							+ \$	290.00	= \$	0.00
Filing Fee Calculation									\$842.00	

**9. Fee Payment Being Made at This Time**

Enclosed

Filing Fee \$842.00

Recording assignment (\$40; 37 C.F.R. § 1.21(h)) (See attached "COVER SHEET FOR ASSIGNMENT ACCOMPANYING NEW APPLICATION".) \$40.00

**Total Fees Enclosed** \$882.00

**10. Method of Payment of Fees**

Authorization is hereby made to charge the amount of \$842.00 for filing fee and \$40.00 for recording of assignment to Deposit Account No. 19-1038.

Charge any additional fees required by this paper or credit any overpayment in the manner authorized above. A duplicate of this paper is attached.

**11. Authorization to Charge Additional Fees**

The Office is hereby authorized to charge, in the manner shown above, the following additional fees that may be required by this paper and during the entire pendency of this application.

37 C.F.R. § 1.16(a), (f) or (g) (filing fees)

37 C.F.R. § 1.16(b), (c) or (d) (presentation of extra claims)

37 C.F.R. § 1.16(e) (surcharge for filing the basic filing fee and/or declaration on a date later than the filing date of the application)

37 C.F.R. § 1.17(a)(1)-(5) (extension fees pursuant to § 1.136(a))

**12. Instructions as to Overpayment**

Credit Account No. 19-1038.

Date: January 23, 2004

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**Express Mail Receipt No. ER441434736US**  
**Deposited on January 23, 2004**

Mail Stop Assignment Recordation Services  
Director – U.S. Patent and Trademark Office  
P.O. Box 1450  
Alexandria, VA 22313-1450

Re: U.S. Patent Application entitled AUTOMATIC OPTICAL INSPECTION OF  
COMPONENTS USING A SHADOW PROJECTION THRESHOLD FOR A  
DATA STORAGE DEVICE  
Inventors: Ching Tong Sim, Rory S. Limqueco, Jee Suan Kwok and  
YewChoon Chia  
Filing Date: January 23, 2004  
Docket: STL11284

Sir:

Enclosed for recording is the Assignment for the following United States patent  
application:

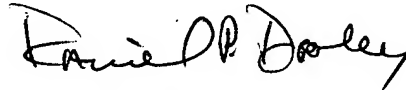
U.S. Patent Application entitled AUTOMATIC OPTICAL INSPECTION OF  
COMPONENTS USING A SHADOW PROJECTION THRESHOLD FOR A  
DATA STORAGE DEVICE  
Inventors: Ching Tong Sim, Rory S. Limqueco, Jee Suan Kwok and  
YewChoon Chia  
Filing Date: January 23, 2004  
Assignee: SEAGATE TECHNOLOGY LLC  
Docket: STL11284

Mail Stop Assignment Recordation Services  
January 23, 2004  
Page 2

A Recordation Form Cover Sheet - Patents Only, Form PTO-1595, is provided for the above documents. Authorization is hereby made to charge the amount of \$40.00 to cover the recording fee to Deposit Account No. 19-1038. Should additional fees be required, you are hereby authorized to charge same to Deposit Account No. 19-1038.

The enclosed documents are being sent by Express Mail Receipt No. ER441434736US on January 23, 2004.

Respectfully submitted,

A handwritten signature in black ink, appearing to read "Daniel P. Dooley". The signature is fluid and cursive, with the first name "Daniel" and last name "Dooley" clearly distinguishable.

Daniel P. Dooley  
Registration No. 46,369

DPD/tk  
Enclosures